

Product datasheet for **RR209030**

Pdcd7 (NM_001108768) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd7 (NM_001108768) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdcd7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209030 representing NM_001108768 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGAGGCGCGACGGAGGCTGGAGAGGGTCCGGCGCCGGCTGCGGCTTCGCGAGAGGGCCCGGG
AACGTGAGACTGAGCGGGAGGCGGAGGCCGCGCAGGCTACGGAACGGGAGCAGGAGATTGACCGCTGGAG
GATGAAGTGCCTGAGGAAAGTGGAGGAAAAGAAGCGGGAACAAGAACAAGGCAGCTGCTGATGGGGTC
TTAGCTGAAGTAAGGAAAAACAATCAGACACCAAAAAGAATGGTGGACATTCTGCGTGCCTGGAGAAAT
TGAGAAAGCTGAGAAAAGAAGCTGCAGCAAGGAAAGGGTCTGTCTCCTGCGGCAGCAGATGAGACCTT
TGAGCACCACTTCAGCGGCTGAGGAAGCTCATAAAAAGCGCTCTGAATTGTATGAAGCTGAAGAGAGA
GCCCTCCGAGTTATGCTAGAAGGAGAACAGGAGGAAGAGAGGAGAAGAGAACTGGAAAAGAAACAGAGAA
AAGAGAAAGAGAACTTCTACTTCAGAAACGTGAAATCGAGTCCAAGTTATTCGGGGATCCAGATGAGTT
CCCCTCGCTCACCTCTTGGAGCCGTTCCGTCAGTATTACCTCCAGGCTGAGCACTCCTTGCCTGCGCTC
ATTCAAAATAAGGCATGATTGGGATCAGTACCTGGTGCCGCTGATCATCCTAAAGGCAATTCATTCCCC
AAGGATGGGTCTTCTCCGCTCCCCAGCAACGACATCTGGGCAACTGCTGTTCCAGCTGCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209030 representing NM_001108768
Red=Cloning site Green=Tags(s)

MGEARRRLERVRRRLRLRERARERETEREAEEAQAEREQEIDRWRMKCVQVEVEEKKREQLKAAADGV
 LAEVRKKQSDTKRMVDILRALEKLRKLKEAAARKGVCPPAAADETFEHLQLRKLIKRSEL YEAEER
 ALRVMLEGEQEEERRRELEKKQRKEKELLLQKREIESKLFGDPDEFPLAHLLEPFRQYYLQAEHSLPAL
 IQIRHDWDQYLVPSDHPKNGSIPQGWVLPPLPSNDIWATAVQLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001108768

ORF Size: 762 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001108768.1](#), [NP_001102238.1](#)

RefSeq Size: 2255 bp

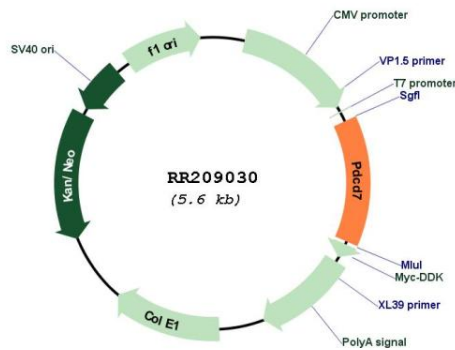
RefSeq ORF: 765 bp

Locus ID: 363082

Cytogenetics: 8q24

MW: 30.4 kDa

Product images:



Circular map for RR209030